

# **DRAFT HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM MEETING MINUTES**

**September 22, 2011**

These minutes summarize the meeting of the Hunters Point Naval Shipyard (HPNS) Base Realignment and Closure (BRAC) Cleanup Team (BCT) held on September 22, 2011, at the CH2M HILL offices in Oakland, California. Participants in the meeting included the BCT, which is made up of representatives from the United States (U.S.) Department of the Navy (Navy), the U.S. Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (RWQCB). The City of San Francisco (City), their consultants, the Lennar team of developers, and Navy consultants also attended the meeting. These minutes describe the key points, decisions, and action items agreed to at the meeting. A list of attendees is included as Attachment A. The document review table is included as Attachment B. Action items from the meeting are included as Attachment C.

## **1.0 Navy Business/Action Items (Keith Forman, Navy)**

Keith Forman (Navy, Base Environmental Coordinator [BEC]) began the meeting with introductions. Craig Cooper (USEPA), Ryan Miya (DTSC), and Ross Steenson (RWQCB) were present to represent the regulatory agencies involved on the project.

### **Action Items:**

- Mr. Miya will discuss with California Department of Public Health (CDPH) their comments made on the Parcel E-2 Proposed Plan. *Complete.*
- Provide Mike McGowan information regarding cancer risk for radiological contamination that falls within the risk range of  $10^{-6}$  versus  $10^{-4}$  and how action levels compare to the  $10^{-6}$  risk level. *Complete. Mr. Yantos noted that Mr. McGowan wanted a greater explanation of risk in the executive summary of the radiological reports. Mr. Yantos stated that they will revise the executive summaries in the radiological reports to provide a more-simple explanation of the risk numbers for the public to review.*
- Develop estimate for mass of creosote removed from the San Francisco Bay. *Complete. Mr. Forman mentioned the Ms. Jackie Dunn (Navy) had worked on this estimate but were having a hard time quantifying the amount of creosote in the wood and any estimate would not likely be accurate. Mr. Forman added that rather than providing an estimate on the amount of creosote removed from San Francisco Bay, the Navy will state how many pilings or the amount of wood debris removed and note that this wood was creosote impacted.*
- Navy will discuss Submarine Pens or Dry Docks 5 through 7 with Lori Lowman (Navy) to see why they have historically been included on maps showing them as radiologically impacted when they were not identified in the Historic Radiological Assessment Report. *In Progress. Mr. Forman will continue to follow up with Ms. Lori Lowman to see what needs to be included in the radiological screening activities.*

## **2.0 Radiological Update (Melanie Kito, Navy)**

Ms. Kito began the radiological program update and summarized the Crisp Road/Parcel E sanitary sewer and storm drain removals and building surveys. Mr. Copper asked if all buildings are considered radiologically impacted. Ms. Kito responded no and asked Mr. Yantos to forward the agencies a map showing the radiologically impacted buildings. Ms. Kito said that the Navy is waiting on a free release letter from CDPH for Building 414 and the Navy is waiting on the CDPH confirmation sample request for the Building 701 site. The free release letter was received for Building 810 on September 14, 2011.

The Navy has submitted response to comments on the Draft Final Status Survey (FSS) for Building 704 and the Draft FSS for Installation Restoration (IR)-04 Scrap Yard is in Navy Radiological Affairs Support Office (RASO) review. The Draft UC-3 Remedial Action Completion Report (RACR) is anticipated for submittal on October 14, 2011.

The sanitary sewer and storm drain removal began in Parcel C on January 4, 2011, and approximately 60 percent of the parcel is complete. To date, 14,061 linear feet of sanitary sewer and storm drain lines have been removed. Twenty-one survey units are currently being surveyed and sampled and two survey units have been restored.

Ms. Kito summarized the Parcel C building surveys. The Navy issued Draft FSS reports for Buildings 214 and 271 in August. The Navy has completed surveys of Buildings 203, 241, and 272, and they are currently drafting a FSS report for these buildings. The demolition of non-impacted Building 234 was completed on August 18, 2011.

The sanitary sewer and storm drain line removal commenced in the Parcel E 500-series buildings and building sites on July 12, 2011, and is approximately 40 percent complete. RASO approved task-specific plans (TSPs) for Building Sites 503, 507, 508, 509, 510/510A, and 517. The Building Sites 500 and 506 TSP is under RASO review and the Navy is drafting TSPs for Buildings 520, 521, and 529. Mr. Forman noted that Building 529 contains the radioactive vault, which they have discussed previously. The Navy will videotape the opening of the radioactive vault for the regulators. Mr. Yantos noted that the entire vault will be removed.

Ms. Kito summarized the field work at the Parcel E 500-series buildings and building sites. The site preparation activities are continuing, the Navy is conducting radiological surveys of the Building 503 site soil, the Navy completed surveying of former Buildings 509 and 517 concrete foundations and RASO is reviewing the data, and the Navy is continuing to perform material and equipment (M&E) surveys in Building 521. The Navy has removed approximately 8,083 linear feet of storm drain and sewer removals within Parcel E and is approximately 40 percent complete on the site.

Ms. Kito said they have found some cesium contamination in some of the survey units at Gun Mole Pier and the Navy is developing a plan for surveying the concrete foundations and other concrete structures in the area. They are also currently removing approximately 146,000 square feet of radiologically impacted asphalt at the Gun Mole Pier.

Elevated levels of Cesium 137 and Radium 226 have been found around Building 313, 313A, and 322 sites. Remediation of Survey Units 1, 2, and 3 is complete while Survey Unit 4 is in

progress. The storm drain and sanitary sewer removal in Parcel D-1 is approximately 85 percent complete and they have submitted 13 internal draft survey unit project reports (SUPRs) and received backfill approval on three of them.

The Navy is awaiting review and concurrence from the CDPH on the B-140 technical memorandum and FSS. The Navy is planning on setting up a meeting with CDPH to discuss the historical timeline of B-140 site. The Navy received comments back on the draft SUPR SU-186 on September 1, 2011. The draft Parcel B RACR will be submitted to the regulatory agencies in October 2011.

The Navy is preparing responses to the regulatory comments on the draft Parcel G RACR. SU-204 was backfilled on August 10, 2011, a draft SUPR is under development for this work and the results will be incorporated into the Parcel G final RACR.

The UC-1/UC-2 RACR was issued final on March 2, 2011, and the Navy has received letters from DTSC and CDPH – Environmental Management Branch (CDPH-EMB) supporting unrestricted release of Parcels UC-1 and UC-2 on September 14, 2011. The Navy will coordinate with CDPH to conduct a site walk of the site.

Ms. Kito noted that the second version of the Draft Radiological Risk and Dose Modeling for Site IR-7 and IR-18 is under agency review since it was submitted on September 12, 2011.

### **3.0 Parcel E IR-03 Non-aqueous Phase Liquid (NAPL) Characterization and Bench-scale Treatability Study (Hamide Kayaci, Navy)**

Ms. Hamide introduced IR-03, which is two former oil reclamation ponds. The ponds were used in the 1940s to process used oil from HNPS, Treasure Island and Alameda Naval Air Station. The ponds were backfilled in the 1970s to 10 feet below ground surface (bgs). The NAPL found at the site includes a mixture of weathered diesel and motor oil. Site contaminants include metals, volatile organic compounds, semi-volatile organic compounds, polychlorinated biphenyls (PCBs), total petroleum hydrocarbons, and potentially radionuclides.

In the late 1990s a 0.5-inch-thick sheet pile wall approximately 30 feet from the shoreline. The wall is approximately 800 feet long and was installed to stop NAPL from migrating toward the San Francisco Bay. Following installation of the wall, the site was covered with Geosynthetic Clay Liner and a top soil cover. Currently, there is NAPL on both sides of the wall. Mr. Cooper asked how the site became radiologically impacted. Mr. Forman noted that the site is within the area assumed to radiologically impacted but the site itself wasn't specifically identified as such. Mr. Cooper noted that he would like to tour the site. Mr. Forman noted that the site is graded and covered with vegetation and there is nothing to see. He will set up access if the regulators want to visit the site.

The objective of the site characterization is to assist in selection of the NAPL treatment alternatives from Parcel E Feasibility Study. The characterization will define the lateral and vertical extent of NAPL. It will help evaluate the effectiveness of enhancing NAPL removal with

in-situ thermal treatment and dual-phase extraction (DPE) of NAPL. They will evaluate the feasibility of removing NAPL-contaminated soil by excavation.

Phase I of the NAPL characterization included using a cone penetrometer test (CPT) to characterize subsurface lithology. A laser-induced fluorescence (LIF) survey was used to estimate lateral and vertical extent of NAPL in soil and groundwater at the site. Confirmation sampling and analysis was used to confirm and calibrate the NAPL characterization data.

Phase II will include the bench-scale treatability study, which will include sampling, determining the density and viscosity properties of the NAPL as a function of temperature, and column tests to evaluate NAPL extractability with thermal treatment.

Ms. Hamide noted that they have advanced seven borings to date but that the work is going slower than expected based on subsurface refusal. The Navy is stepping out when they encounter refusal and trying to resample. Mr. Cooper asked if the petroleum contamination onsite was all generally the same or if there were pockets of lighter and heavier petroleum hydrocarbons present. The Navy stated that for the most part, the site is generally a mixture of hydrocarbons but the characterization samples will give them a better idea of what the site contains.

LIF allows for real-time, in-situ field screening of petroleum compounds in soil and water. LIF uses ultraviolet laser pulses through an optical fiber into the subsurface. Petroleum contaminants respond with a fluorescence response that is conveyed to a detector by a second fiber. The response varies by petroleum type, necessitating confirmation sampling for calibration.

The bench-scale treatability study is intended to evaluate the NAPL density and viscosity as a function of temperature. Column tests will evaluate NAPL extractability as a function of temperature. There will be a three temperature evaluations, which will be used to estimate NAPL extractability, quantify hydrocarbon emissions, hydrocarbon residual concentrations in soil and water, and the mass balance of total petroleum hydrocarbons.

Then Navy mobilized to the site in September 2011 and completed the CPT-LIF investigation on September 26, 2011, and recommendations will be submitted to the regulators in the form of a short technical memorandum on September 29, 2011. The Phase II bench-scale treatability study will be performed on October 12 through February, 2012. The Draft Completion Report will be submitted in July 2012 with the final to follow in October 2012. Mr. Steenson asked for a boring sample location map. The Navy will distribute the boring location map and boring data for regulatory review.

#### **4.0 PCB Hot-Spot Area Time Critical Removal Action (TCRA) (Melanie Kito, Navy)**

Ms. Kito in conjuncture with Ms. Lara Urizar (Navy) provided an update on the PCB hot-spot TCRA. Ms. Kito pointed out the areas of excavation on figures shown during the presentation. Tiers 3 and 5 excavation began in August 2010. Tier 3 has been 100 percent excavated to a depth between 3 and 10 feet bgs and confirmation samples have been collected. Grid 231 sidewall

samples do not meet action levels for closure and over-excavation is planned in September 2011. The next step is submittal of a final conditions survey package to RASO for review. There has been no over-excavation required in the Tier 5 grids.

The Navy began excavation of Tier 2 on October 19, 2010. One hundred percent of grids in Tier 2 have been excavated, sampled, and backfilled with clean sand. Over-excavation was required in six grids. Over-excavations were completed with the exception of a Grid 177 sidewall. The construction access road currently prevents over-excavation of the Grid 177 sidewall. The sidewall will be over-excavated after the geotechnical investigation.

Tier 1 commenced excavation on May 11, 2011. Approximately 78 percent of the Tier 1 grids have been excavated, sampled, and backfilled. Currently, four grids require over-excavation, three grids are pending confirmation sampling results and three grids still need to be excavated. To date they have excavated approximately 19,000 cubic yards of soil.

The Navy will continue hot-spot excavation through December 2011 and continue soil screening and sampling from September to February 2012. They will demobilize in February 2012, and submit the draft RACR in April 2012.

## **5.0 Early Transfer Schedule Update (Keith Forman, Navy)**

Ms. Kito mentioned that Jackie Dunn was previously working on Parcel E and they are looking for a new project manager to help fill the row.

Ms. Kito noted that the Navy needs more time for finishing the Parcel E Final Feasibility Study and will likely be pushed back to roughly April 2012. Ms. Brownell noted that this would impact UC-3 but would like the Navy to look at the backend schedule to make sure UC-3 does not get delayed. The Navy responded that they don't want to delay UC-3 and will look at when to split UC-3 from Parcel E.

Ms. Brownell would like the Navy to give the City of San Francisco a heads up on the Parcel D-2 schedule 6 months prior to site transfer so that all the legal and real estate staff have time to complete their tasks before transfer. Ms. Kito thinks that the property will likely not transfer until next summer.

## **6.0 Community Involvement Update (Keith Forman, Navy)**

Mr. Robinson (CirclePoint) discussed the Parcel E-2 Propose Plan community meeting that was held on September 20, 2011. They had several comments from the audience and one written comment from the meeting. The Navy is exploring whether the local apartment complexes would like their own Parcel E-2 Propose Plan focus meetings. They have not yet responded to the Navy's request. The Navy is planning additional bus tours with Tabernacle Ministers and the Indian Basin associated in October 2011. The Navy will be doing radio interviews with Ida Choy, Carlos DeMarty, and KPOO (pending confirmation). They are also looking into doing additional more mainstream media interviews.

The Navy has an upcoming Community Advisory Committee meeting on October 17, 2011, and the final community meeting will be December 7, 2011, and will discuss the year in review.

Ms. Brownell asked the Navy if they have received their invitations to the San Francisco Board of Supervisors for the October 24, 2011 meeting. Mr. Forman responded that they have not received an invitation. She also asked about the extension on the Parcel E-2 Proposed Plan comments and her preference would be for the Proposed Plan to go final November 14, 2011. Mr. Forman asked the agencies if they were okay extending the Proposed Plan comment deadline to November 14, 2011. Nobody had a problem with this new date.

Ms. Brownell will send her comments on the Parcel E-2 Proposed Plan to Keith for his future presentations. Her biggest comment would be to omit the slide that shows the risk exposure pathways.

## **7.0 Action Items/Future Meetings (Keith Forman, Navy)**

The next BCT meeting will be held on October 27, 2011, at the CH2M HILL Offices in Oakland, California. Action items are included as Attachment C.

**ATTACHMENT A:****HUNTERS POINT NAVAL SHIPYARD  
MEETING ATTENDANCE SHEET**

Topic: BCT Meeting  
 Location: CH2M Hill Offices  
 155 Grand Avenue  
 Oakland, CA  
 Date/Time: September 22, 2011 / 10:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619-532-0913	keith.s.forman@navy.mil	X
	Melanie Kito	619-532-0787	melanie.kito@navy.mil	X
	Lara Urizar	619-532-0960	lara.urizar.ctr@navy.mil	X
	Hamide Kayaci	619-532-0930	hamide.kayaci.ctr@navy.mil	X
	Chris Yantos	619-532-0952	christopher.yantos.ctr@navy.mil	X
	Simon Loli	619-532-0782	simon.loli.ctr@navy.mil	
	Laurie Lowman	757-887-7650	laurie.lowman@navy.mil	
	Matt Slack	757-887-4212	matthew.slack@navy.mil	
	Zack Edwards	757-887-4692	zack.edwards@navy.mil	
	Frank Fernandez	510-749-5936	franklin.d.fernandez@navy.mil	
	Jarvis Jensen	757-887-4483	jarvis.jensen@navy.mil	
	Adam Zwiebel	510-749-5947	adam.zwiebel@navy.mil	
	Shane Wells	510-749-5922	robert.s.wells@navy.mil	
	Bob Hunt	619-532-0962	robert.a.hunt.ctr@navy.mil	
	Chris Dirscherl	619-532-0932	chris.dirscherl@navy.mil	
	Deb Theroux	619.532.0919	debra.theroux@navy.mil	
USEPA	Craig Cooper	415-947-4148	cooper.craig@epa.gov	X
	Jackie Lane	415-972-3236	Lane.jackie@epa.gov	
DTSC	Ryan Miya	510-540-3775	rmiya@dtsc.gov	X
Water Board	Ross Steenson	510-622-2445	rsteenson@waterboards.ca.gov	X
	Kathleen Low		klow@waterboards.ca.gov	
CDPH	Jeff Wong	510-620-3423	jeff.wong@cdph.ca.gov	X
	Tracy Jue	916-324-4808	tracy.jue@cdph.ca.gov	
	Kurt Jackson			
	Larry Morgan			
	Steve Hsu	916-440-7940	steve.hsu@cdph.ca.gov	X
City of SF	Amy Brownell	415-252-3967	amy.brownell@sfdph.org	X
	Sigrida Reinis	415-955-9040	sreinis@treadwellrollo.com	
Geosyntec	Jeff Austin	415-218-0027	jasustin@geosyntec.com	X
BVHP/Lennar	Steve Rottenborn	408-458-3205	srottenborn@harveyecology.com	

<b>Organization</b>	<b>Name</b>	<b>Phone Number</b>	<b>E-Mail Address</b>	<b>Present</b>
Tech Law Inc., USEPA contractor	Karla Brasaemle	415-762-0566	kbrasaemle@techlawinc.com	X
<i>Navy Contractors</i>				
Tetra Tech EM, Inc.	Tim Mower	313-312-8874	tim.mower@ttemi.com	
Tetra Tech EC, Inc.	Bill Dougherty	415-216-2731	bill.dougherty@tetrattech.com	
Sealaska Environmental Services	Doug Peeler		doug.peeler@sealaska.com	
CE2	Bruce Rucker	925-400-4586	rucker@ce2corp.com	X
	John Copland	925-463-7301	copland@ce2corp.com	
Kleinfelder	Gary Goodemote	510-628-9000	ggoodemote@kleinfelder.com	X
	Gabriel Fuson	510-774-4115	gfuson@kleinfelder.com	
	Eric Johansen	619-694-5516	ejohansen@kleinfelder.com	X
KCH	Leslie Lundgren	415-541-7110	leslie.lundgren@ch2m.com	X
	Jamie Hamm	415-819-4971	Jamie.hamm@ch2m.com	X
ERRG	Doug Bielskis	925-726-4119	doug.bielskis@errg.com	
	John Sourial	415-848-7103	john.sourial@errg.com	
ITSI	Jim Schollard	925-946-3107	jschollard@itsi.com	
	Brett Womack	925-250-8077	bwomack@itsi.com	
	Ken Leonard		kleonard@itsi.com	
	Jeff Hess	925-946-3104	jhess@itsi.com	X
Jonas and Associates	Gilbert Yousif	415-559-8232	gyousif@jonasinc.com	
Shaw Group	Wayne Akiyama	925-288-2003	wayne.akiyama@shawgrp.com	
	Ray Schul	415-822-1224	raymond.schul@sahwgrp.com	
	Ulrika Messer	619-241-9451	ulrika.messer@shawgrp.com	
Battelle	Cannon Silver	619-424-7606	silverc@battelle.org	
	John Hardin	619-574-4827	hardinj@battelle.org	
MACTEC	Alfonso Ang	415-278-2108	aang@mactec.com	
	Jeff Fenton			
	Ray Hendry	303-807-4421	lrhendy@mactec.com	
	Alfonso Ang	415-278-2108	aang@mactec.com	
URS	Jerry Zimmerle	714-433-7738	jerome.zimmerle@urscorp.com	
Circle Point	Lawrence McGuire	415-227-1100	l.mcguire@circlepoint.com	
	Matt Robinson	510-378-5511	m.robinson@circlepoint.com	X
CDM	Tamzen Macbeth	208-569-5147	macbethtw@cdm.com	
	Matt Brookshire	858-268-3383	brookshirems@cdm.com	



<b>Organization</b>	<b>Name</b>	<b>Phone Number</b>	<b>E-Mail Address</b>	<b>Present</b>
Arc Ecology	Mike McGowan	415-643-1190	mikemcgowan@arcecology.org	
BCDC	Rafael Montes	415-352-3670	rafaelm@bcd.ca.gov	

# HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 22, 2011

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Documents Historically Reviewed									
1	Basewide	Semiannual Groundwater Monitoring Report	6/21/11	n/a					
2	UC-3	Final Survey Unit Project Reports (SUPR) for Units 177, 178, 179, 182, and 183, Work Package 40`	6/24/11	n/a					
3	E-2	ARARs Request Letter For Shipshielding Action Memorandum	6/27/11	7/29/11			8/10/2011		
4	UC-3	Final Survey Unit Project Reports (SUPR) for Units 184, 187, 189, and 190, Work Package # 41	6/28/11	n/a					
5	D-2	Draft Final FOST	6/29/11	7/29/11			7/29/2011	7/25/2011	7/29/2011
6	Basewide	Basewide Stormwater Annual Report	6/29/11	n/a					
7	B,D-1,G,UC-2	Draft Soil Gas Survey Tech Memo	7/1/11	8/10/11	Comment Period Extended	8/17/11	8/16/11	8/11/11	8/15/11
8	B	Revised Final Remedial Design Package Parcel B (Excluding IR Sites 7 and 18)	7/5/11	n/a					
9	Basewide	Final Survey Unit Project Reports Abstract, Revision 3, Sanitary Sewer and Storm Drain Removal Project	7/7/11	n/a					

# HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 22, 2011

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
Document Review Period Recently Completed									
1	E	Draft Final Parcel E Feasibility Study	7/8/11	8/11/11			8/23/11		
2	E-2/B	Final Work Plan for Geotechnical Investigation at Parcel E-2 (IR Site 01/21) and Parcel B (IR Site 26)	7/8/11	n/a					
3	Basewide	Final Survey Unit Project Reports Abstract for Sanitary Sewer and Storm Drain Removal Conducted After January 1, 2011	7/8/11	n/a					
4	B,D-1,G	Draft RACR with CSR for B,D-1, and G Hot Spots to BCT	7/15/11	8/15/11			8/19/11	8/10/11	8/19/11
5	E	Final Final Status Survey Results, Building 701 Site	7/19/11	8/19/11					
6	B	Unrestricted Radiological Release of Building 140 Including the Suction Channel and	7/20/11	8/22/11					
7	B,C	Draft Survey Unit 186 Project Report, Parcels B and C Sanitary Sewer and Storm Drain	7/25/11	8/26/11					
8	F	Final Radiological Data Gap Investigation Work Plan	8/1/11	n/a					
9	E-2	Draft Final Proposed Plan (BCT)	8/2/11	8/12/11		8/19/11		8/4/11	8/11/11
Documents Currently Under Review									
1	UC-1,UC-2	Final Rad RACR	3/2/2011	pending	Concurrence				

# HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 22, 2011

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
2	B	Final - Petroleum hydrocarbon Site Closeout Report Parcel B, Vol 1 and 2	8/2/11	n/a					
3	E-2	Final Quarterly Gas Monitoring Report to BCT (For April through June 2011)	8/10/11	n/a					
4	E-2	Final Annual Landfill Cap Operation and Maintenance Report for 2010-2011	8/17/11	n/a					
5	C	Draft Final Status Survey Results, Building 214	8/17/11	9/16/11					
6	C	Draft Final Status Survey Results, Building 271	8/19/11	9/19/11					
7	E	Final IR03 Work Plan	8/24/11	9/2/11	Concurrence				
8	B	Draft Action Memorandum Removal of UST 113 A, IR Site 42	9/12/11	10/12/2011					
9	E-2	Final Proposed Plan (Public)	9/7/11	n/a	public comment				
<b>Documents for Upcoming Review (next 3 months)</b>									
1	C	Draft Pre-RA Initial Characterization Work Plan (RU C1, RU C4, RU C5)	9/26/11	30 days from submittal date	Date Tentative				
2	C	Draft RU C2 Pre Remedial Action (RA) Initial Characterization Work Plan	9/26/11	30 days from submittal date	Date Tentative				

**HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX**  
**September 22, 2011**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
3	C	Draft RU C5 GWTS Completion Report	9/30/11	n/a	Date Tentative				
4	E-2	Draft TCRA Action Memo for Shipshielding	9/30/11	30 days from submittal date	Date Tentative				
5	G	Final Rad RACR	10/6/11	n/a	Date Tentative				
6	UC-3	Draft Rad RACR	10/14/11	30 days from submittal date	Date Tentative				
7	C, E	Draft Soil Vapor Sampling Work plan	10/26/11	30 days from submittal date	Date Tentative				
8	E	Draft Final Parcel E FS Radiological Addendum	10/28/11	45 days from submittal date	Date Tentative				
9	C	Final RU-C2 Pre Remedial Action Initial Characterization Work Plan	10/31/11	n/a	Date Tentative				
10	E-2	Final Quarterly Gas Monitoring Report to BCT (For July through September 2011)	11/2/11	n/a	Date Tentative				
11	E	Final Parcel E Feasibility Study	11/14/11	n/a	Date Tentative				

# HUNTERS POINT NAVAL SHIPYARD DOCUMENT TRACKING MATRIX

September 22, 2011

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	Water Board	City of SF
12	E-2	Draft TCRA Work plan for Shipshielding Area	11/15/11	30 days from submittal date	Date Tentative				
13	B	Final RACR for IR 7 and 18	11/18/11	n/a	Date Tentative				
14	C	Draft Final Pre-RA Initial Characterization Work Plan (RU C1, RU C4, RU C5)	11/19/11	30 days from submittal date	Date Tentative				
15	C	Draft Final RU_C5 GWTS Completion Report	11/23/11	30 days from submittal date	Date Tentative				
16	B	Draft RACR for IR 7 and 18	11/29/11	30 days from submittal date	Date Tentative				
17	B,D-1,G,UC-2	Final Soil Gas Survey Tech Memo	12/9/11	n/a	Date Tentative				

* CAP CDPH DTSC EPA FOSL FOST FS FSS n/a	Comments deferred to other agency Corrective Action Plan California Department of Public Health Department of Toxic Substances Control U.S. Environmental Protection Agency Finding of suitability to lease Finding of suitability to transfer Feasibility study Final Status Survey Not applicable	PCB ROD RI RTC SF TCRA TPH Water Board	Polychlorinated biphenyl Record of decision Remedial investigation Response to comment San Francisco Time critical removal action Total petroleum hydrocarbon San Francisco Bay Regional Water Quality Control Board
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**ATTACHMENT C: HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS**

Item No.	Action Item	Person Authoring the Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
<b>New Action Items from BCT Meeting on September 22, 2011</b>					
1	Chris Yantos will send the USEPA, DTSC, and City of San Francisco a copy of the RAD-impacted maps	Chris Yantos, Navy		Chris Yantos, Navy	
2	The Navy will schedule a site walk for UC1/UC2 with CDPH.	Navy		Navy	
3	Hamide Kayaci will send boring locations and logs for IR-03 to the agencies.	Hamide Kayaci, Navy		Hamide Kayaci, Navy	
<b>Outstanding Action Items</b>					
1	Ryan Miya will talk to CDPH about comments on the Parcel E-2 Proposed Plan.	Ryan Miya, DTSC		Ryan Miya, DTSC	Action complete.
2	Revise RTCs to Mike McGowan explaining why Cancer Risk of $10^{-4}$ is acceptable for RAD when $10^{-6}$ is used elsewhere at HPNS. Also include this information in future executive summaries.	Navy		Yantos	Action completed; future report executive summaries will do a better job of explaining cancer risk with respect to radiological contamination.

3	Develop estimate for mass of creosote removed from Bay.	Navy		Navy	The estimate was not calculated since an accurate estimate would be difficult to ascertain. Instead, the Navy will identify the number of piles or the amount of wood debris removed from the site and note that most of the wood was coated with creosote.
4	Describe RAD-impacted designation areas on landside of Berths in Parcel B.	Navy		Navy	This action item is ongoing. Mr. Forman will continue to follow up with Ms. Lowman to see what needs to be included in the radiological screening activities